

### ABSTRACT OF THE DISCLOSURE

5       An optical connector machining apparatus (500) is  
comprised of an operation circuit box (1) containing a drive  
motor (9) and a battery (10) while serving as a grasping  
section, and a planetary gear mechanism box (2) having a  
drive mechanism (8) that rotatably holds a polishing table  
10       (4) with a polishing table retainer (3) while permitting  
rotation of the drive motor to be delivered to the polishing  
table retainer through a planetary gear mechanism, wherein  
a chuck mounting section (5) is fixedly secured to the  
planetary gear mechanism box through two pieces of columns  
15       (6, 6), and a chuck (43), slidably guiding a ferrule (A)  
with respect to the polishing table in a vertical direction,  
and a pressure-applying mechanism (7) for urging the ferrule  
to the polishing table in a vertical direction, are mounted  
to the chuck mounting section.